

**To:** Christoph Goss[christoph.goss@deereault.com]  
**Cc:** Way, Steven[way.steven@epa.gov]; Matt Francis[m.francis@erllc.com]  
**From:** Petri, Elliott  
**Sent:** Wed 9/23/2015 5:28:37 PM  
**Subject:** RE: Gold King Mine survey control

That information did help them, thank you!

## Elliott Petri, PE

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

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**From:** Christoph Goss [mailto:christoph.goss@deereault.com]  
**Sent:** Monday, September 21, 2015 9:25 AM  
**To:** Petri, Elliott <Elliott.Petri@WestonSolutions.com>  
**Cc:** Way, Steven <way.steven@epa.gov>; Matt Francis <m.francis@erllc.com>  
**Subject:** RE: Gold King Mine survey control

Hi Elliot

Please let me know if the survey information met San Juan County's needs. If they need additional information, they should contact Parker Newby at Goff directly. Please keep me in the loop.

Christoph

**From:** Christoph Goss  
**Sent:** Friday, September 18, 2015 1:12 PM  
**To:** Petri, Elliott ([Elliott.Petri@WestonSolutions.com](mailto:Elliott.Petri@WestonSolutions.com)) <[Elliott.Petri@WestonSolutions.com](mailto:Elliott.Petri@WestonSolutions.com)>  
**Cc:** 'Way, Steven' <[way.steven@epa.gov](mailto:way.steven@epa.gov)>; Matt Francis <[m.francis@erllc.com](mailto:m.francis@erllc.com)>  
**Subject:** Gold King Mine survey control  
**Importance:** High

Hi Elliot

Would you please forward this information to the San Juan County surveyors? Hopefully this will allow them to tie into the LIDAR work that Goff and Precision did.

Christoph

**From:** Steve Miranda [<mailto:smiranda@goffengineering.com>]  
**Sent:** Monday, September 14, 2015 3:45 PM  
**To:** Christoph Goss <[christoph.goss@deereault.com](mailto:christoph.goss@deereault.com)>  
**Cc:** Parker Newby <[pnewby@goffengineering.com](mailto:pnewby@goffengineering.com)>  
**Subject:** RE: Gold King Mine topo

Christoph,

Here is a text file with the site control, although I think some of it has already been disturbed (GPC5 being one).

US State Plane 1983, Colorado South 0503, NAD 1983, GEOID 12A

Scaled to Ground about GPC5, Ground Scale Factor 1.0005975426

-Steve

**From:** Christoph Goss [<mailto:christoph.goss@deereault.com>]  
**Sent:** Monday, September 14, 2015 11:21 AM  
**To:** Steve Miranda  
**Subject:** RE: Gold King Mine topo

Hi Steve

Can you please send me the location of site benchmarks and other control points for the survey?  
Please include information on the vertical and horizontal datums, scaling factors, etc... I want to include that information on our plan sheets.

Christoph

**From:** Steve Miranda [<mailto:smiranda@goffengineering.com>]  
**Sent:** Monday, September 14, 2015 8:37 AM  
**To:** Christoph Goss <[christoph.goss@deereault.com](mailto:christoph.goss@deereault.com)>  
**Subject:** RE: Gold King Mine topo

Christoph,

**CBI/Ex. 4**

# CBI/Ex. 4

-Steve

**From:** Christoph Goss [<mailto:christoph.goss@deereault.com>]  
**Sent:** Friday, September 11, 2015 5:24 PM  
**To:** Steve Miranda  
**Subject:** RE: Gold King Mine topo

Hi Steve

The slopes mesh well with Precision Survey's LIDAR data, but the ground shots at the bottom of the cut in this file are 5' higher (11445 vs 11440). Could you plook into this please?

Christoph

**From:** Steve Miranda [<mailto:smiranda@goffengineering.com>]  
**Sent:** Friday, September 11, 2015 12:39 PM  
**To:** Christoph Goss <[christoph.goss@deereault.com](mailto:christoph.goss@deereault.com)>  
**Subject:** Gold King Mine topo

Christoph,

Here is the text file from out topo of the portal area along with a drawing with break lines. GTOP = top of slope, GB = grade break.

Please let me know if you have any questions.

Thanks,

Steve Miranda

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